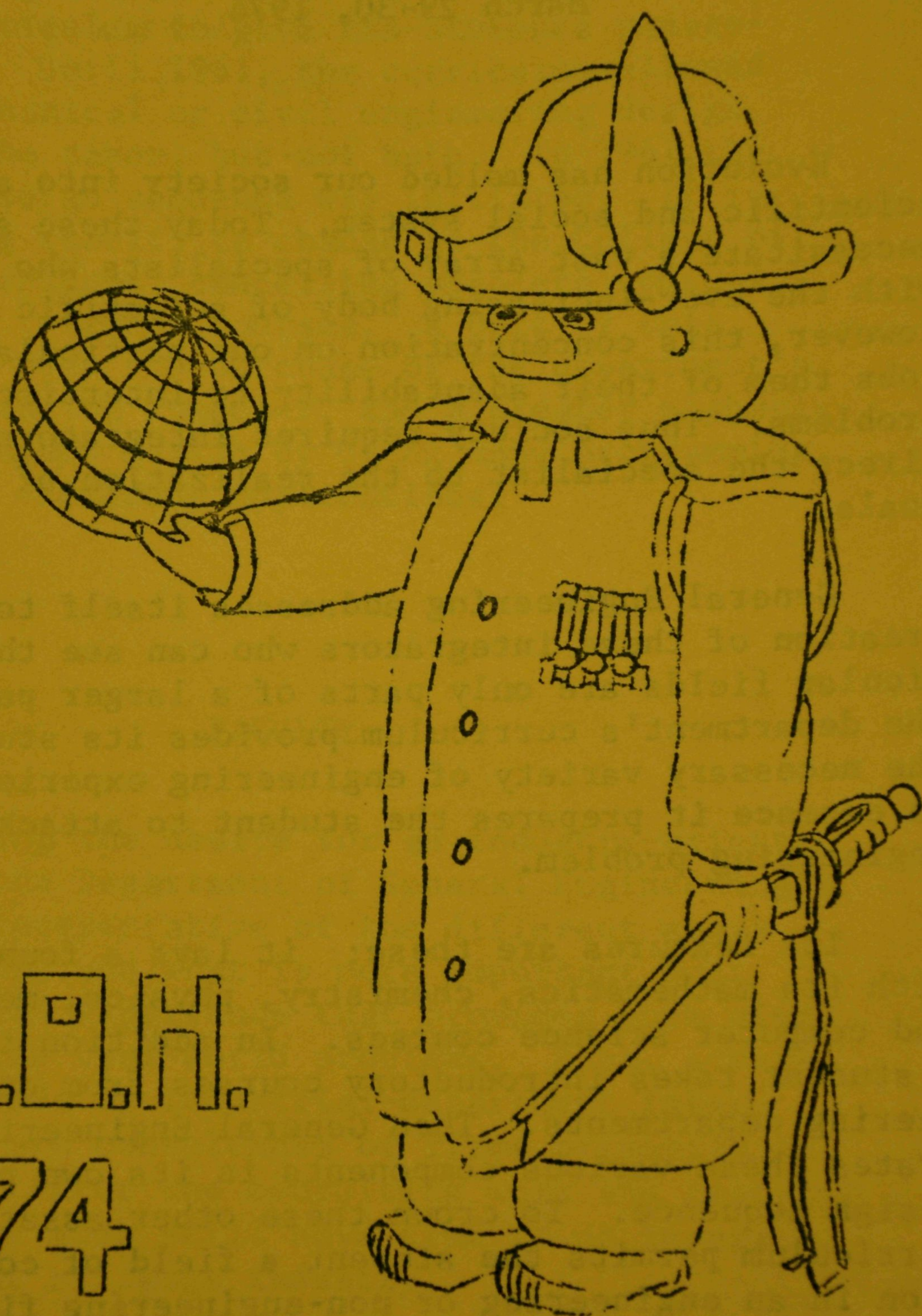


# ENGINEERING OPEN HOUSE



G.E.O.H.  
1974

## A MAN-MADE WORLD



## ENGINEERING: A MAN-MADE WORLD

ENGINEERING OPEN HOUSE  
Department of General Engineering  
University of Illinois

March 29-30, 1974

Evolution has molded our society into a complex scientific and social system. Today these systems necessitate a vast array of specialists who can cope with the ever-increasing body of scientific knowledge. However, this concentration on one particular field robs them of their adaptability to interdisciplinary problems. Thus society requires integrators who can direct the specialist to the realization of society's goals.

General Engineering addresses itself to the creation of these integrators who can see that particular fields are only parts of a larger pattern. The department's curriculum provides its students the necessary variety of engineering experiences. In essence it prepares the student to attack any engineering problem.

Its features are these: it lays a foundation with its mathematics, chemistry, physics, mechanics, and computer science courses. In addition to these, a student takes introductory courses from other engineering departments. Then General Engineering integrates these various components in its own project design sequence. To crown these other assets, the curriculum permits the student a field of concentration in an engineering or non-engineering field. One other fact is that it is excellent preparation for further education in any field.

## HISTORY

Established in 1922 by the College of Engineering in conjunction with a group of Chicago industries, the Department of General Engineering from the beginning had close ties with industry. Its original goal was to provide a professionally-oriented curriculum to give its students managerial skills. Until 1961, the curriculum allowed either a mechanical or civil engineering design sequence to be taken, but not both. In 1961 the integrated design sequence was initiated. It is ever updating itself, to change as the College of Engineering changes, cancelling obsolete courses, adding newer relevant courses. A part of this changing has been the purchase of the department's digital and analog computer, and a greater emphasis on computer aided design by using many programming languages in different applications.

## FACULTY

Reflecting the desire for an industry-oriented curriculum, the Department of General Engineering's faculty is representative of the different engineering fields, and what is more important most have industrial experience that provides them with insights to the real-world problems. Also, adhering to the credo of industrial-department interaction, many are consultants of firms primarily in the Midwest. After the consulting work and teaching responsibility some still have time to do research for government or large industry.



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### PROJECTS & EXHIBITS

- Room 113 - Design Course Projects
- Room 114 - Hospitality Room, JETS, ISGE, Alumni
- Room 201 - Chanute AFB Engine Exhibit
- Room 202 - Engineering History and Law
- Room 216 - Movies on Current Engineering
- Room 400A - Digital Computer Display
- Room 406 - Analog Computer Display

We of the Open House Committee extend our appreciation and gratitude to all of the people who were connected with the Open House, especially the extra-departmental contributor:

Chanute Air Force Base